

National Radiology Data Registry

Physician Report, Dec 2019

Public Facility
(Facility ID: 100853)



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Acknowledgement

In this report all data for the physicians are created using random sample for demonstration purposes only and are not reflective of the performances of the individual NPIs. We are thankful to the following physicians for letting us use their names and NPIs to benefit NRDR and QCDR facilities and physician groups. The names of the physicians and their NPIs that we used for this sample report with their prior permission is listed below:

First Name	Middle Initial	Last Name	Suffix	NPI
BRUCE	J	HILLMAN		1.74033E9
DONALD	P	ROSEN		1.7807E9
JAMES	H	THRALL		1.65935E9
JOHN	R	GEIS		1.37657E9
KEITH		DREYER		1.96249E9
LINCOLN		BERLAND		1.01396E9
VIOLA		CHENG		1.78077E9
WILLIAM	T	THORWARTH	JR.	1.25543E9

Lung Cancer Screening Registry Report from the American College of Radiology

We are pleased to release the Jan-Dec 2019 quarterly Lung Cancer Screening Registry physician reports. The PDF report contains the following:

Section 1: Physician level data, 2019

This section provides a list of LCSR measures calculated for the physicians in your facility. We provide a comparison of your measures with the LCSR registry. Section 3 is provided only for physicians that submitted data during 2019.

Section 2: Physician level data 2018

This section provides a list of LCSR measures calculated for the physicians in your facility. We provide a comparison of your measures with the LCSR registry. Section 4 is provided only for physicians that submitted data during 2018.

We exclude exams without NPI information for the interpreting radiologist as it is a required field for CMS submission, in our role as a CMS approved registry.

Section 1 Physician Report: Exams performed during Jan-Dec 2019

Physician 1013962497: National Comparison
Exams performed during during Jan-Dec 2019

Measure		2019			
		Physician (1013962497)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	28335	.	586067
Appropriateness of screening by USPSTF criteria (%)		90.79	25725 / 28335	90.88	532612 / 586067
Smoking cessation counselling offered (%)		76.19	21588 / 28335	76.39	447717 / 586067
	Smoking cessation counselling offered among current smokers (%)	82.77	13514 / 16328	82.93	281609 / 339559
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.15	NA / 28335	3.19	NA / 586067
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.20	NA / 822	2.45	NA / 17253
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.47	NA / 6706	2.57	NA / 141968
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	2.96	NA / 8996	3.01	NA / 186329
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.89	NA / 10438	3.84	NA / 212247
Radiation exposure 2	Mean DLP - Overall	94.30	NA / 28335	94.17	NA / 586067
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	72.49	NA / 822	73.72	NA / 17253
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	78.88	NA / 6706	78.06	NA / 141968
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	89.58	NA / 8996	89.42	NA / 186329
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	110.86	NA / 10438	111.43	NA / 212247
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	14.34	4063 / 28335	14.63	85732 / 586067
	Abnormal Interpretation Rate, at baseline exam (%)	17.31	2822 / 16305	17.27	58180 / 336916
	Abnormal Interpretation Rate, at annual exam (%)	9.91	1140 / 11504	10.73	25593 / 238570
Cancer Detection Rate (CDR) per 1000		2.54	72 / 28335	2.51	1471 / 586067
	CDR per 1000 for prevalent cancers, detected at baseline exam	3.13	51 / 16305	3.11	1048 / 336916
	CDR per 1000 for incident cancers, detected at annual exam	1.65	19 / 11504	1.64	392 / 238570
Positive Predictive Value 1 (PPV1)(%)		1.77	72 / 4063	1.72	1471 / 85732
	PPV1 for lung cancers detected on percutaneous biopsies (%)	55.32	26 / 47	55.81	716 / 1283
	PPV1 for lung cancers detected on bronchoscopies (%)	44.44	24 / 54	49.38	435 / 881
	PPV1 for surgically detected lung cancers (%)	77.42	24 / 31	73.27	444 / 606
Positive Predictive Value 2a (PPV2a) (%)		0.54	18 / 3327	0.41	287 / 70181

Physician 1013962497: National Comparison
Exams performed during during Jan-Dec 2019

Measure		2019			
		Physician (1013962497)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2b (PPV2b) (%)		7.34	54 / 736	7.61	1184 / 15551
Positive Predictive Value 3 (PPV3) (%)		66.67	54 / 81	62.80	1136 / 1809

Physician 1255433280: National Comparison
Exams performed during during Jan-Dec 2019

Measure		2019			
		Physician (1255433280)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	28277	.	586067
Appropriateness of screening by USPSTF criteria (%)		90.86	25693 / 28277	90.88	532612 / 586067
Smoking cessation counselling offered (%)		76.08	21513 / 28277	76.39	447717 / 586067
	Smoking cessation counselling offered among current smokers (%)	82.54	13558 / 16426	82.93	281609 / 339559
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.25	NA / 28277	3.19	NA / 586067
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.35	NA / 842	2.45	NA / 17253
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.46	NA / 6704	2.57	NA / 141968
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	2.95	NA / 9030	3.01	NA / 186329
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	4.10	NA / 10308	3.84	NA / 212247
Radiation exposure 2	Mean DLP - Overall	94.19	NA / 28277	94.17	NA / 586067
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	73.94	NA / 842	73.72	NA / 17253
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	77.54	NA / 6704	78.06	NA / 141968
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	89.93	NA / 9030	89.42	NA / 186329
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	110.91	NA / 10308	111.43	NA / 212247
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	14.85	4199 / 28277	14.63	85732 / 586067
	Abnormal Interpretation Rate, at baseline exam (%)	17.57	2863 / 16291	17.27	58180 / 336916
	Abnormal Interpretation Rate, at annual exam (%)	10.83	1245 / 11492	10.73	25593 / 238570
Cancer Detection Rate (CDR) per 1000		2.16	61 / 28277	2.51	1471 / 586067
	CDR per 1000 for prevalent cancers, detected at baseline exam	2.58	42 / 16291	3.11	1048 / 336916
	CDR per 1000 for incident cancers, detected at annual exam	1.57	18 / 11492	1.64	392 / 238570
Positive Predictive Value 1 (PPV1)(%)		1.45	61 / 4199	1.72	1471 / 85732
	PPV1 for lung cancers detected on percutaneous biopsies (%)	44.07	26 / 59	55.81	716 / 1283
	PPV1 for lung cancers detected on bronchoscopies (%)	47.37	18 / 38	49.38	435 / 881
	PPV1 for surgically detected lung cancers (%)	75.00	24 / 32	73.27	444 / 606

Physician 1255433280: National Comparison
Exams performed during during Jan-Dec 2019

Measure	2019			
	Physician (1255433280)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.40	14 / 3464	0.41	287 / 70181
Positive Predictive Value 2b (PPV2b) (%)	6.39	47 / 735	7.61	1184 / 15551
Positive Predictive Value 3 (PPV3) (%)	54.76	46 / 84	62.80	1136 / 1809

Physician 1376568014: National Comparison
Exams performed during during Jan-Dec 2019

Measure		2019			
		Physician (1376568014)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	28105	.	586067
Appropriateness of screening by USPSTF criteria (%)		90.84	25531 / 28105	90.88	532612 / 586067
Smoking cessation counselling offered (%)		76.84	21596 / 28105	76.39	447717 / 586067
	Smoking cessation counselling offered among current smokers (%)	83.49	13605 / 16296	82.93	281609 / 339559
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.17	NA / 28105	3.19	NA / 586067
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.54	NA / 853	2.45	NA / 17253
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.54	NA / 6929	2.57	NA / 141968
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	2.99	NA / 8998	3.01	NA / 186329
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.85	NA / 10012	3.84	NA / 212247
Radiation exposure 2	Mean DLP - Overall	93.17	NA / 28105	94.17	NA / 586067
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	80.23	NA / 853	73.72	NA / 17253
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	78.13	NA / 6929	78.06	NA / 141968
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	88.14	NA / 8998	89.42	NA / 186329
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	109.87	NA / 10012	111.43	NA / 212247
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	14.68	4127 / 28105	14.63	85732 / 586067
	Abnormal Interpretation Rate, at baseline exam (%)	17.05	2770 / 16247	17.27	58180 / 336916
	Abnormal Interpretation Rate, at annual exam (%)	11.12	1264 / 11364	10.73	25593 / 238570
Cancer Detection Rate (CDR) per 1000		2.63	74 / 28105	2.51	1471 / 586067
	CDR per 1000 for prevalent cancers, detected at baseline exam	3.08	50 / 16247	3.11	1048 / 336916
	CDR per 1000 for incident cancers, detected at annual exam	1.67	19 / 11364	1.64	392 / 238570
Positive Predictive Value 1 (PPV1)(%)		1.79	74 / 4127	1.72	1471 / 85732
	PPV1 for lung cancers detected on percutaneous biopsies (%)	58.06	36 / 62	55.81	716 / 1283
	PPV1 for lung cancers detected on bronchoscopies (%)	48.94	23 / 47	49.38	435 / 881
	PPV1 for surgically detected lung cancers (%)	92.31	24 / 26	73.27	444 / 606

Physician 1376568014: National Comparison
Exams performed during during Jan-Dec 2019

Measure	2019			
	Physician (1376568014)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.41	14 / 3381	0.41	287 / 70181
Positive Predictive Value 2b (PPV2b) (%)	8.04	60 / 746	7.61	1184 / 15551
Positive Predictive Value 3 (PPV3) (%)	62.37	58 / 93	62.80	1136 / 1809

Physician 1740332030: National Comparison
Exams performed during during Jan-Dec 2019

Measure		2019			
		Physician (1740332030)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	28017	.	586067
Appropriateness of screening by USPSTF criteria (%)		90.93	25477 / 28017	90.88	532612 / 586067
Smoking cessation counselling offered (%)		76.55	21447 / 28017	76.39	447717 / 586067
	Smoking cessation counselling offered among current smokers (%)	82.82	13427 / 16212	82.93	281609 / 339559
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.26	NA / 28017	3.19	NA / 586067
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.49	NA / 808	2.45	NA / 17253
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.61	NA / 6693	2.57	NA / 141968
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	3.10	NA / 9009	3.01	NA / 186329
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.92	NA / 10079	3.84	NA / 212247
Radiation exposure 2	Mean DLP - Overall	94.66	NA / 28017	94.17	NA / 586067
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	83.07	NA / 808	73.72	NA / 17253
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	77.74	NA / 6693	78.06	NA / 141968
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	90.12	NA / 9009	89.42	NA / 186329
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	111.81	NA / 10079	111.43	NA / 212247
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	14.39	4033 / 28017	14.63	85732 / 586067
	Abnormal Interpretation Rate, at baseline exam (%)	16.99	2734 / 16091	17.27	58180 / 336916
	Abnormal Interpretation Rate, at annual exam (%)	10.54	1202 / 11409	10.73	25593 / 238570
Cancer Detection Rate (CDR) per 1000		2.28	64 / 28017	2.51	1471 / 586067
	CDR per 1000 for prevalent cancers, detected at baseline exam	2.86	46 / 16091	3.11	1048 / 336916
	CDR per 1000 for incident cancers, detected at annual exam	1.58	18 / 11409	1.64	392 / 238570
Positive Predictive Value 1 (PPV1)(%)		1.59	64 / 4033	1.72	1471 / 85732
	PPV1 for lung cancers detected on percutaneous biopsies (%)	64.29	36 / 56	55.81	716 / 1283
	PPV1 for lung cancers detected on bronchoscopies (%)	46.34	19 / 41	49.38	435 / 881
	PPV1 for surgically detected lung cancers (%)	54.17	13 / 24	73.27	444 / 606

Physician 1740332030: National Comparison
Exams performed during during Jan-Dec 2019

Measure	2019			
	Physician (1740332030)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.24	8 / 3267	0.41	287 / 70181
Positive Predictive Value 2b (PPV2b) (%)	7.31	56 / 766	7.61	1184 / 15551
Positive Predictive Value 3 (PPV3) (%)	65.38	51 / 78	62.80	1136 / 1809

Physician 1780697441: National Comparison
Exams performed during during Jan-Dec 2019

Measure		2019			
		Physician (1780697441)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	27925	.	586067
Appropriateness of screening by USPSTF criteria (%)		90.88	25377 / 27925	90.88	532612 / 586067
Smoking cessation counselling offered (%)		76.01	21227 / 27925	76.39	447717 / 586067
	Smoking cessation counselling offered among current smokers (%)	82.30	13342 / 16211	82.93	281609 / 339559
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.18	NA / 27925	3.19	NA / 586067
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.75	NA / 871	2.45	NA / 17253
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.70	NA / 6778	2.57	NA / 141968
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	3.08	NA / 8848	3.01	NA / 186329
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.71	NA / 10113	3.84	NA / 212247
Radiation exposure 2	Mean DLP - Overall	94.04	NA / 27925	94.17	NA / 586067
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	71.92	NA / 871	73.72	NA / 17253
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	78.37	NA / 6778	78.06	NA / 141968
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	88.09	NA / 8848	89.42	NA / 186329
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	112.34	NA / 10113	111.43	NA / 212247
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	14.96	4177 / 27925	14.63	85732 / 586067
	Abnormal Interpretation Rate, at baseline exam (%)	17.73	2860 / 16130	17.27	58180 / 336916
	Abnormal Interpretation Rate, at annual exam (%)	10.82	1221 / 11286	10.73	25593 / 238570
Cancer Detection Rate (CDR) per 1000		2.61	73 / 27925	2.51	1471 / 586067
	CDR per 1000 for prevalent cancers, detected at baseline exam	3.22	52 / 16130	3.11	1048 / 336916
	CDR per 1000 for incident cancers, detected at annual exam	1.68	19 / 11286	1.64	392 / 238570
Positive Predictive Value 1 (PPV1)(%)		1.75	73 / 4177	1.72	1471 / 85732
	PPV1 for lung cancers detected on percutaneous biopsies (%)	54.69	35 / 64	55.81	716 / 1283
	PPV1 for lung cancers detected on bronchoscopies (%)	54.05	20 / 37	49.38	435 / 881
	PPV1 for surgically detected lung cancers (%)	74.19	23 / 31	73.27	444 / 606

Physician 1780697441: National Comparison
Exams performed during during Jan-Dec 2019

Measure	2019			
	Physician (1780697441)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.29	10 / 3421	0.41	287 / 70181
Positive Predictive Value 2b (PPV2b) (%)	8.33	63 / 756	7.61	1184 / 15551
Positive Predictive Value 3 (PPV3) (%)	70.79	63 / 89	62.80	1136 / 1809

Physician 1780766014: National Comparison
Exams performed during during Jan-Dec 2019

Measure		2019			
		Physician (1780766014)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	35168	.	586067
Appropriateness of screening by USPSTF criteria (%)		90.89	31963 / 35168	90.88	532612 / 586067
Smoking cessation counselling offered (%)		76.41	26872 / 35168	76.39	447717 / 586067
	Smoking cessation counselling offered among current smokers (%)	83.06	16872 / 20312	82.93	281609 / 339559
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.19	NA / 35168	3.19	NA / 586067
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.84	NA / 1038	2.45	NA / 17253
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.53	NA / 8626	2.57	NA / 141968
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	3.01	NA / 11218	3.01	NA / 186329
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.83	NA / 12615	3.84	NA / 212247
Radiation exposure 2	Mean DLP - Overall	94.39	NA / 35168	94.17	NA / 586067
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	70.80	NA / 1038	73.72	NA / 17253
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	77.94	NA / 8626	78.06	NA / 141968
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	89.72	NA / 11218	89.42	NA / 186329
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	110.98	NA / 12615	111.43	NA / 212247
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	14.88	5233 / 35168	14.63	85732 / 586067
	Abnormal Interpretation Rate, at baseline exam (%)	17.63	3571 / 20260	17.27	58180 / 336916
	Abnormal Interpretation Rate, at annual exam (%)	10.92	1562 / 14304	10.73	25593 / 238570
Cancer Detection Rate (CDR) per 1000		2.36	83 / 35168	2.51	1471 / 586067
	CDR per 1000 for prevalent cancers, detected at baseline exam	3.26	66 / 20260	3.11	1048 / 336916
	CDR per 1000 for incident cancers, detected at annual exam	1.12	16 / 14304	1.64	392 / 238570
Positive Predictive Value 1 (PPV1)(%)		1.59	83 / 5233	1.72	1471 / 85732
	PPV1 for lung cancers detected on percutaneous biopsies (%)	57.33	43 / 75	55.81	716 / 1283
	PPV1 for lung cancers detected on bronchoscopies (%)	48.98	24 / 49	49.38	435 / 881
	PPV1 for surgically detected lung cancers (%)	67.57	25 / 37	73.27	444 / 606

Physician 1780766014: National Comparison
Exams performed during during Jan-Dec 2019

Measure	2019			
	Physician (1780766014)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.49	21 / 4308	0.41	287 / 70181
Positive Predictive Value 2b (PPV2b) (%)	6.70	62 / 925	7.61	1184 / 15551
Positive Predictive Value 3 (PPV3) (%)	67.03	61 / 91	62.80	1136 / 1809

Section 2 Physician Report: Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Physician 1013962497: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

		2018			
Measure		Physician (1013962497)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	21170	.	413149
Appropriateness of screening by USPSTF criteria (%)		90.22	19099 / 21170	90.30	373082 / 413149
Smoking cessation counselling offered (%)		76.50	16195 / 21170	76.91	317734 / 413149
	Smoking cessation counselling offered among current smokers (%)	84.11	10462 / 12439	84.32	203575 / 241421
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.20	NA / 21170	3.23	NA / 413149
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.48	NA / 873	2.67	NA / 16851
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.64	NA / 5152	2.68	NA / 100231
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	3.08	NA / 6730	3.04	NA / 131860
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.76	NA / 7490	3.88	NA / 145125
Radiation exposure 2	Mean DLP - Overall	95.96	NA / 21170	95.69	NA / 413149
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	77.57	NA / 873	79.09	NA / 16851
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	80.44	NA / 5152	79.28	NA / 100231
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	91.44	NA / 6730	90.89	NA / 131860
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	113.53	NA / 7490	113.90	NA / 145125
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	15.50	3282 / 21170	15.35	63420 / 413149
	Abnormal Interpretation Rate, at baseline exam (%)	17.47	2433 / 13926	17.38	47360 / 272502
	Abnormal Interpretation Rate, at annual exam (%)	11.02	766 / 6954	10.66	14429 / 135331
Cancer Detection Rate (CDR) per 1000		2.55	54 / 21170	2.61	1079 / 413149
	CDR per 1000 for prevalent cancers, detected at baseline exam	2.87	40 / 13926	3.02	824 / 272502
	CDR per 1000 for incident cancers, detected at annual exam	1.87	13 / 6954	1.68	228 / 135331
Positive Predictive Value 1 (PPV1)(%)		1.65	54 / 3282	1.70	1079 / 63420
	PPV1 for lung cancers detected on percutaneous biopsies (%)	50.91	28 / 55	50.95	539 / 1058
	PPV1 for lung cancers detected on bronchoscopies (%)	37.50	15 / 40	39.32	276 / 702
	PPV1 for surgically detected lung cancers (%)	61.54	16 / 26	65.06	365 / 561
Positive Predictive Value 2a (PPV2a) (%)		0.51	14 / 2740	0.44	233 / 52762

Physician 1013962497: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure		2018			
		Physician (1013962497)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2b (PPV2b) (%)		7.38	40 / 542	7.94	846 / 10658
Positive Predictive Value 3 (PPV3) (%)		51.39	37 / 72	55.86	815 / 1459

Physician 1255433280: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure		2018			
		Physician (1255433280)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	21338	.	413149
Appropriateness of screening by USPSTF criteria (%)		90.60	19333 / 21338	90.30	373082 / 413149
Smoking cessation counselling offered (%)		76.59	16342 / 21338	76.91	317734 / 413149
	Smoking cessation counselling offered among current smokers (%)	83.86	10400 / 12402	84.32	203575 / 241421
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.26	NA / 21338	3.23	NA / 413149
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.91	NA / 846	2.67	NA / 16851
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.61	NA / 5228	2.68	NA / 100231
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	3.11	NA / 6822	3.04	NA / 131860
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.90	NA / 7466	3.88	NA / 145125
Radiation exposure 2	Mean DLP - Overall	96.37	NA / 21338	95.69	NA / 413149
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	80.44	NA / 846	79.09	NA / 16851
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	80.93	NA / 5228	79.28	NA / 100231
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	89.99	NA / 6822	90.89	NA / 131860
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	114.80	NA / 7466	113.90	NA / 145125
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	15.27	3259 / 21338	15.35	63420 / 413149
	Abnormal Interpretation Rate, at baseline exam (%)	17.83	2499 / 14015	17.38	47360 / 272502
	Abnormal Interpretation Rate, at annual exam (%)	9.83	695 / 7067	10.66	14429 / 135331
Cancer Detection Rate (CDR) per 1000		2.86	61 / 21338	2.61	1079 / 413149
	CDR per 1000 for prevalent cancers, detected at baseline exam	3.21	45 / 14015	3.02	824 / 272502
	CDR per 1000 for incident cancers, detected at annual exam	1.84	13 / 7067	1.68	228 / 135331
Positive Predictive Value 1 (PPV1)(%)		1.87	61 / 3259	1.70	1079 / 63420
	PPV1 for lung cancers detected on percutaneous biopsies (%)	47.27	26 / 55	50.95	539 / 1058
	PPV1 for lung cancers detected on bronchoscopies (%)	42.22	19 / 45	39.32	276 / 702
	PPV1 for surgically detected lung cancers (%)	65.71	23 / 35	65.06	365 / 561

Physician 1255433280: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure	2018			
	Physician (1255433280)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.59	16 / 2704	0.44	233 / 52762
Positive Predictive Value 2b (PPV2b) (%)	8.11	45 / 555	7.94	846 / 10658
Positive Predictive Value 3 (PPV3) (%)	50.00	43 / 86	55.86	815 / 1459

Physician 1376568014: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure		2018			
		Physician (1376568014)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	21077	.	413149
Appropriateness of screening by USPSTF criteria (%)		90.41	19056 / 21077	90.30	373082 / 413149
Smoking cessation counselling offered (%)		76.82	16192 / 21077	76.91	317734 / 413149
	Smoking cessation counselling offered among current smokers (%)	84.21	10291 / 12220	84.32	203575 / 241421
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.11	NA / 21077	3.23	NA / 413149
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.44	NA / 795	2.67	NA / 16851
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.54	NA / 5151	2.68	NA / 100231
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	2.98	NA / 6701	3.04	NA / 131860
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.75	NA / 7527	3.88	NA / 145125
Radiation exposure 2	Mean DLP - Overall	95.30	NA / 21077	95.69	NA / 413149
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	80.89	NA / 795	79.09	NA / 16851
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	78.42	NA / 5151	79.28	NA / 100231
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	90.63	NA / 6701	90.89	NA / 131860
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	113.10	NA / 7527	113.90	NA / 145125
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	15.26	3216 / 21077	15.35	63420 / 413149
	Abnormal Interpretation Rate, at baseline exam (%)	17.40	2406 / 13829	17.38	47360 / 272502
	Abnormal Interpretation Rate, at annual exam (%)	10.50	732 / 6973	10.66	14429 / 135331
Cancer Detection Rate (CDR) per 1000		2.66	56 / 21077	2.61	1079 / 413149
	CDR per 1000 for prevalent cancers, detected at baseline exam	3.47	48 / 13829	3.02	824 / 272502
	CDR per 1000 for incident cancers, detected at annual exam	1.15	8 / 6973	1.68	228 / 135331
Positive Predictive Value 1 (PPV1)(%)		1.74	56 / 3216	1.70	1079 / 63420
	PPV1 for lung cancers detected on percutaneous biopsies (%)	56.25	27 / 48	50.95	539 / 1058
	PPV1 for lung cancers detected on bronchoscopies (%)	42.50	17 / 40	39.32	276 / 702
	PPV1 for surgically detected lung cancers (%)	72.73	16 / 22	65.06	365 / 561

Physician 1376568014: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure	2018			
	Physician (1376568014)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.48	13 / 2707	0.44	233 / 52762
Positive Predictive Value 2b (PPV2b) (%)	8.45	43 / 509	7.94	846 / 10658
Positive Predictive Value 3 (PPV3) (%)	59.15	42 / 71	55.86	815 / 1459

Physician 1740332030: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure		2018			
		Physician (1740332030)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	21261	.	413149
Appropriateness of screening by USPSTF criteria (%)		89.91	19115 / 21261	90.30	373082 / 413149
Smoking cessation counselling offered (%)		76.33	16228 / 21261	76.91	317734 / 413149
	Smoking cessation counselling offered among current smokers (%)	83.61	10350 / 12379	84.32	203575 / 241421
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.28	NA / 21261	3.23	NA / 413149
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.78	NA / 888	2.67	NA / 16851
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.82	NA / 5188	2.68	NA / 100231
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	2.87	NA / 6747	3.04	NA / 131860
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	4.06	NA / 7481	3.88	NA / 145125
Radiation exposure 2	Mean DLP - Overall	96.26	NA / 21261	95.69	NA / 413149
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	85.44	NA / 888	79.09	NA / 16851
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	80.25	NA / 5188	79.28	NA / 100231
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	91.60	NA / 6747	90.89	NA / 131860
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	113.87	NA / 7481	113.90	NA / 145125
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	15.36	3265 / 21261	15.35	63420 / 413149
	Abnormal Interpretation Rate, at baseline exam (%)	17.50	2456 / 14037	17.38	47360 / 272502
	Abnormal Interpretation Rate, at annual exam (%)	10.35	719 / 6946	10.66	14429 / 135331
Cancer Detection Rate (CDR) per 1000		2.35	50 / 21261	2.61	1079 / 413149
	CDR per 1000 for prevalent cancers, detected at baseline exam	2.71	38 / 14037	3.02	824 / 272502
	CDR per 1000 for incident cancers, detected at annual exam	1.44	10 / 6946	1.68	228 / 135331
Positive Predictive Value 1 (PPV1)(%)		1.53	50 / 3265	1.70	1079 / 63420
	PPV1 for lung cancers detected on percutaneous biopsies (%)	46.77	29 / 62	50.95	539 / 1058
	PPV1 for lung cancers detected on bronchoscopies (%)	40.00	10 / 25	39.32	276 / 702
	PPV1 for surgically detected lung cancers (%)	71.43	15 / 21	65.06	365 / 561

Physician 1740332030: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure	2018			
	Physician (1740332030)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.44	12 / 2706	0.44	233 / 52762
Positive Predictive Value 2b (PPV2b) (%)	6.80	38 / 559	7.94	846 / 10658
Positive Predictive Value 3 (PPV3) (%)	49.32	36 / 73	55.86	815 / 1459

Physician 1780697441: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure		2018			
		Physician (1780697441)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	21040	.	413149
Appropriateness of screening by USPSTF criteria (%)		90.05	18947 / 21040	90.30	373082 / 413149
Smoking cessation counselling offered (%)		76.18	16028 / 21040	76.91	317734 / 413149
	Smoking cessation counselling offered among current smokers (%)	84.14	10300 / 12241	84.32	203575 / 241421
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.21	NA / 21040	3.23	NA / 413149
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.68	NA / 824	2.67	NA / 16851
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.68	NA / 5131	2.68	NA / 100231
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	3.14	NA / 6779	3.04	NA / 131860
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.71	NA / 7328	3.88	NA / 145125
Radiation exposure 2	Mean DLP - Overall	95.36	NA / 21040	95.69	NA / 413149
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	75.57	NA / 824	79.09	NA / 16851
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	78.31	NA / 5131	79.28	NA / 100231
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	90.83	NA / 6779	90.89	NA / 131860
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	112.78	NA / 7328	113.90	NA / 145125
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	15.22	3202 / 21040	15.35	63420 / 413149
	Abnormal Interpretation Rate, at baseline exam (%)	17.23	2389 / 13862	17.38	47360 / 272502
	Abnormal Interpretation Rate, at annual exam (%)	10.63	733 / 6897	10.66	14429 / 135331
Cancer Detection Rate (CDR) per 1000		2.09	44 / 21040	2.61	1079 / 413149
	CDR per 1000 for prevalent cancers, detected at baseline exam	2.31	32 / 13862	3.02	824 / 272502
	CDR per 1000 for incident cancers, detected at annual exam	1.30	9 / 6897	1.68	228 / 135331
Positive Predictive Value 1 (PPV1)(%)		1.37	44 / 3202	1.70	1079 / 63420
	PPV1 for lung cancers detected on percutaneous biopsies (%)	51.28	20 / 39	50.95	539 / 1058
	PPV1 for lung cancers detected on bronchoscopies (%)	36.67	11 / 30	39.32	276 / 702
	PPV1 for surgically detected lung cancers (%)	62.07	18 / 29	65.06	365 / 561

Physician 1780697441: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure	2018			
	Physician (1780697441)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.49	13 / 2677	0.44	233 / 52762
Positive Predictive Value 2b (PPV2b) (%)	5.90	31 / 525	7.94	846 / 10658
Positive Predictive Value 3 (PPV3) (%)	57.41	31 / 54	55.86	815 / 1459

Physician 1780766014: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure		2018			
		Physician (1780766014)		All LCSR	
		Rate	Num-Den	Rate	Num-Den
All Exams		.	26678	.	413149
Appropriateness of screening by USPSTF criteria (%)		90.24	24073 / 26678	90.30	373082 / 413149
Smoking cessation counselling offered (%)		76.16	20318 / 26678	76.91	317734 / 413149
	Smoking cessation counselling offered among current smokers (%)	83.64	13100 / 15662	84.32	203575 / 241421
Radiation exposure 1	Mean CTDIvol - Overall (mGy)	3.22	NA / 26678	3.23	NA / 413149
	Mean CTDIvol - underweight (BMI <18.5)(mGy)	2.63	NA / 1011	2.67	NA / 16851
	Mean CTDIvol - normal (BMI of 18.5-24.9)(mGy)	2.74	NA / 6609	2.68	NA / 100231
	Mean CTDIvol - overweight (BMI of 25-29.9)(mGy)	3.00	NA / 8492	3.04	NA / 131860
	Mean CTDIvol - obese (BMI of 30 or greater)(mGy)	3.89	NA / 9366	3.88	NA / 145125
Radiation exposure 2	Mean DLP - Overall	95.67	NA / 26678	95.69	NA / 413149
	Mean DLP - underweight (BMI <18.5)(mGy-cm)	80.76	NA / 1011	79.09	NA / 16851
	Mean DLP - normal (BMI of 18.5-24.9)(mGy-cm)	78.62	NA / 6609	79.28	NA / 100231
	Mean DLP - overweight (BMI of 25-29.9)(mGy-cm)	91.41	NA / 8492	90.89	NA / 131860
	Mean DLP - obese (BMI of 30 or greater)(mGy-cm)	114.41	NA / 9366	113.90	NA / 145125
Abnormal Interpretation Rate (%)	(Lung-RADS 3, 4a, 4b, 4x)	15.28	4076 / 26678	15.35	63420 / 413149
	Abnormal Interpretation Rate, at baseline exam (%)	17.35	3053 / 17595	17.38	47360 / 272502
	Abnormal Interpretation Rate, at annual exam (%)	10.77	941 / 8736	10.66	14429 / 135331
Cancer Detection Rate (CDR) per 1000		2.44	65 / 26678	2.61	1079 / 413149
	CDR per 1000 for prevalent cancers, detected at baseline exam	2.96	52 / 17595	3.02	824 / 272502
	CDR per 1000 for incident cancers, detected at annual exam	1.49	13 / 8736	1.68	228 / 135331
Positive Predictive Value 1 (PPV1)(%)		1.59	65 / 4076	1.70	1079 / 63420
	PPV1 for lung cancers detected on percutaneous biopsies (%)	50.68	37 / 73	50.95	539 / 1058
	PPV1 for lung cancers detected on bronchoscopies (%)	37.50	12 / 32	39.32	276 / 702
	PPV1 for surgically detected lung cancers (%)	64.52	20 / 31	65.06	365 / 561

Physician 1780766014: National Comparison
Exams performed during Jan-Dec 2018 with follow up through Dec 2019

Measure	2018			
	Physician (1780766014)		All LCSR	
	Rate	Num-Den	Rate	Num-Den
Positive Predictive Value 2a (PPV2a) (%)	0.23	8 / 3412	0.44	233 / 52762
Positive Predictive Value 2b (PPV2b) (%)	8.58	57 / 664	7.94	846 / 10658
Positive Predictive Value 3 (PPV3) (%)	58.89	53 / 90	55.86	815 / 1459

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